



COMPLETE EYEWEAR

**NOVA** | **ULTRA HD**  
**UHD** | **CLARITY VISION**

Invisible Laser Initials

SAM

Sam Wilson

Let your lens have  
your **signature!**

Progressive Lenses with  
multi-level customised clarity



COMPLETE EYEWEAR



A WORLD OF COMPLETE EYEWEAR SOLUTIONS

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LENSES



FRAMES



SUNGLASSES



COMPLETE EYEWEAR



# BRAND PROMISE

#visionmeetsfashion  
#madeforyou



ULTRA HD CLARITY



DUST & WATER RESISTANT



FILTERS HARMFUL BLUE LIGHT



LIGHTWEIGHT



COMFORTABLE



IMPACT RESISTANT



TRENDY & FASHIONABLE



UV PROTECTION



ANTI-GLARE



PRESCRIPTION LENSES



TRENDY & FASHIONABLE







COMPLETE EYEWEAR

**NOVA  
UHD**

**ULTRA HD  
CLARITY VISION**

**Powered by**



DIGI-CONTOUR TECHNOLOGY



ABERRATION FILTER SYSTEM 2.0



MULTI ASPHERIC TECHNOLOGY



BINOCULAR BALANCING SYSTEM



VARIABLE INSET & MFH



DIGITAL PROFILE



OPTIREAL



MAXIVIEW



LIFESTYLE PERSONALISATION



SLIMTECH

## **ULTRA HIGH DEFINITION in progressive lenses**

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Premium progressive lens NOVA UHD is developed with the latest state-of-the-art technologies providing effortless feel of natural vision and excellent aesthetics.

NOVA UHD is created for those seeking the finer things in life. This exclusive design is addressed for those users of progressive lenses who know class, for the discerning few who appreciate the finer things such as a premium progressive lens.



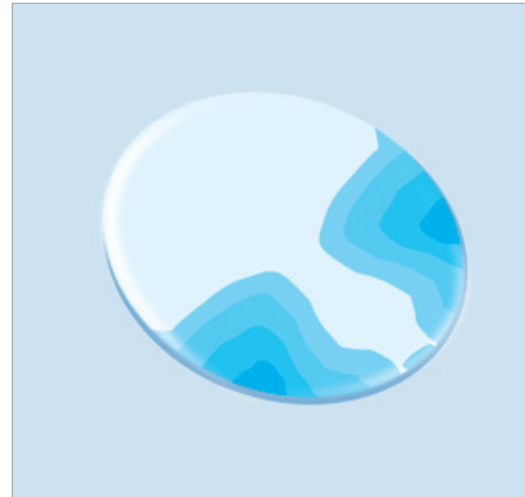
Digi-Contour Technology has resulted in numerous lens advancements and stands to be one of the most dynamic technological innovations in eyewear industry.

With the help of this technology, wearers can actually receive corrective lenses designed especially to accommodate his/her exact visual requirement.

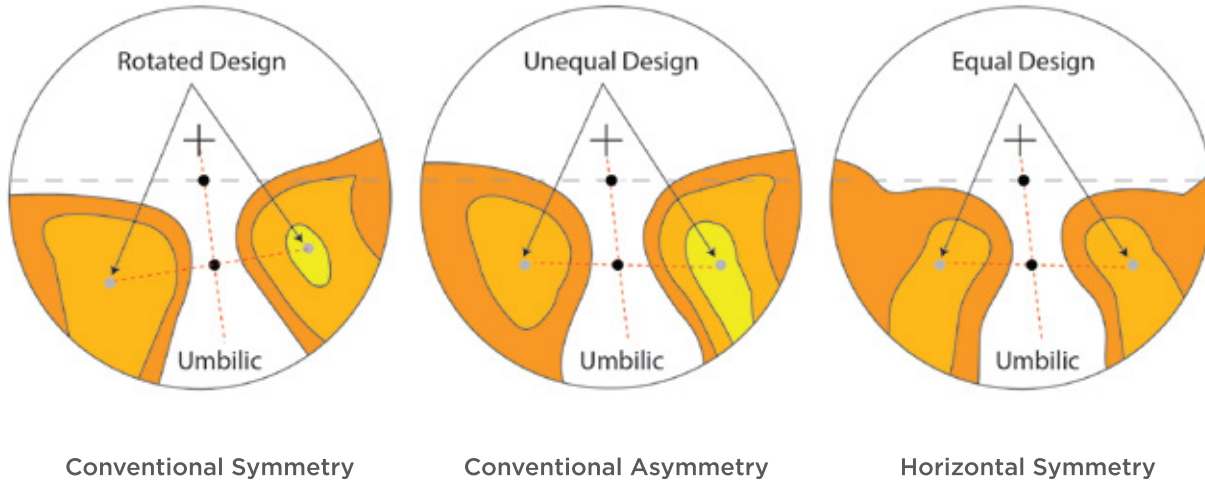
Contrast rich image with wider fields of vision compared to conventional lenses.  
Remarkably clear image with insignificant distortion in the peripheral areas due to less astigmatism.



Conventional Technology  
+1.50 Ds/+2.50 Dc Axis 180°, N. Add. +2.00 Ds



Digi-Contour Technology  
+1.50 Ds/+2.50 Dc Axis 180°, N. Add. +2.00 Ds



Based on the series of contour plots from various PALs available and by calculating the mean deviations, each design has been produced with region-wise contour plots.

With advanced design calculations, it is possible to adjust the mean deviations of Nova PALs to better acceptable limits with perfect balance of Distance, Intermediate and Near Vision Zones.

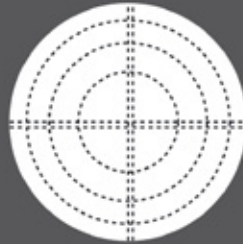


## NOVA PAL - from the sphere to the individual design

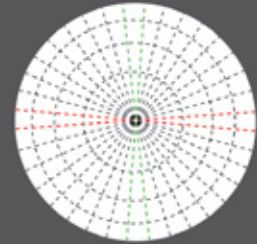
Multi Meridian Processing calculates precisely numerous meridians on the back surface of the lens.



Spheric



Aspheric



Multi Aspheric

In order to achieve maximum clarity in the peripheral zones of the lens, the spherical and cylindrical power meridians are aspherised.

With Multi Aspheric Technology, it is possible to reduce the distortions associated with both the Spherical and Cylindrical Power elements by using non-rotational symmetrical surface, in which the asphericity varies from meridian to meridian.

It provides unrestricted fields of clear vision.

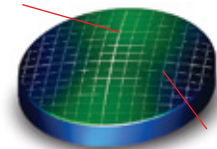


**CONVENTIONAL PAL**  
Higher levels of aberrations  
with smaller vision zones.

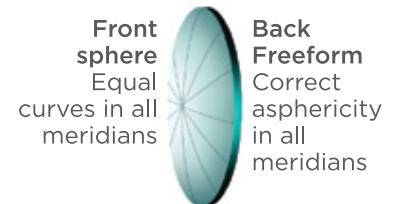


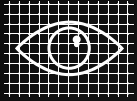
**NOVA PAL**  
Reduced aberrations with  
wider vision zones.

Aspherised for  
cylinder power



Aspherised for  
sphere power

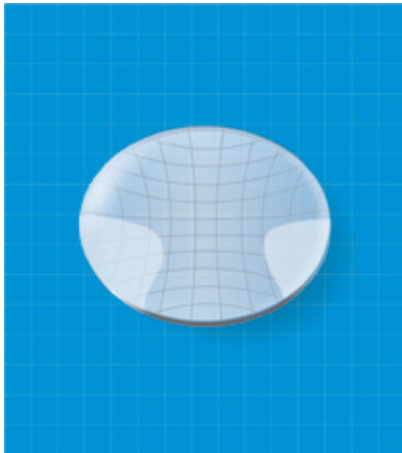




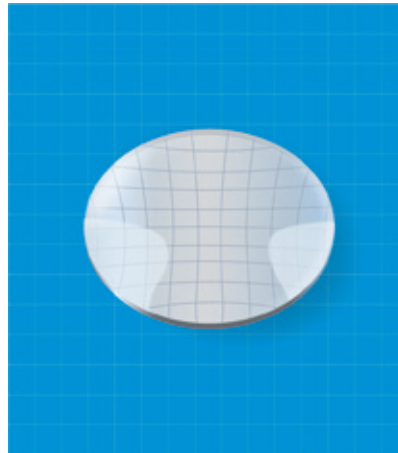
## ABERRATION FILTER SYSTEM 2.0

#vision clarity

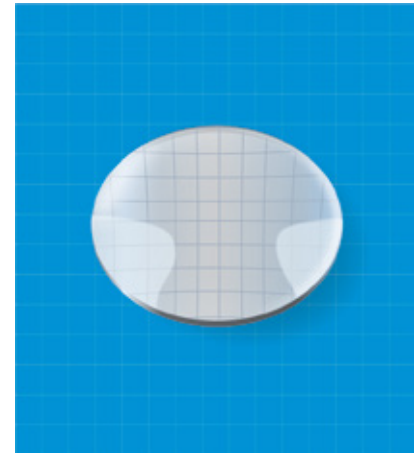
In Aberration Filter System 2.0, with high precision optimisation of power characteristics and selective design, aberrations and distortions are greatly reduced.



Spheric Lens



Aspheric Lens



Multi Aspheric Lens  
with Aberration Filter  
System 2.0



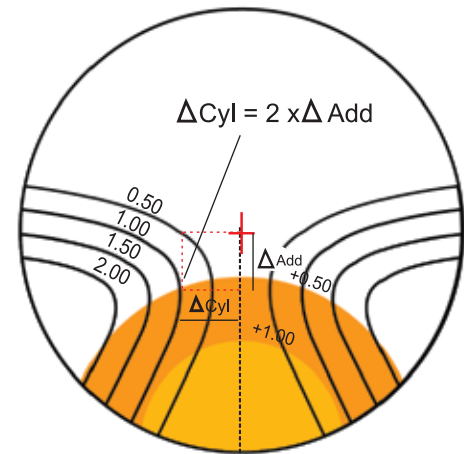
## ABERRATION FILTER SYSTEM 2.0

#optimised clarity

With the help of Aberration Filter System 2.0, it is possible to reduce the oblique aberrations according to the tilt of the lens & also curb down Higher Order Aberrations to a great extent.

It allows much better correction of the oblique and higher order aberrations by controlling the relative curvature changes through creation of arbitrary surfaces as per available scope.

In other words, it is possible to optimise the lens for all gazes, according to the visual requirements of each wearer.





## ABERRATION FILTER SYSTEM 2.0

#better peripheral vision



**CONVENTIONAL PAL**  
Distortion at the periphery  
with conventional PAL.

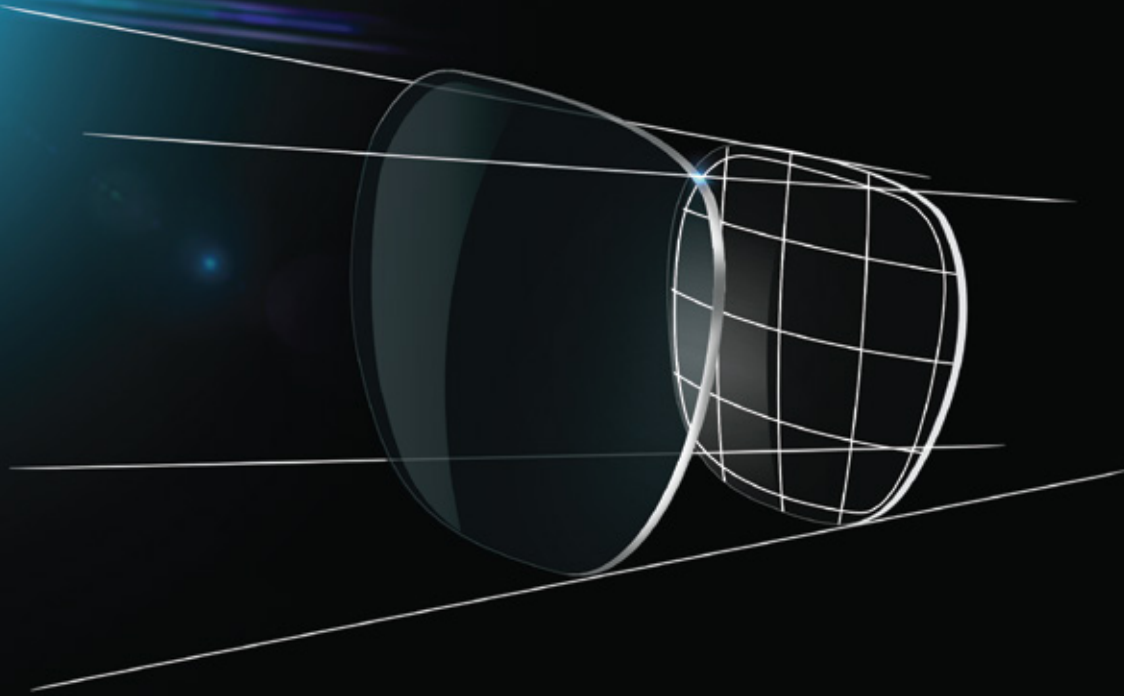


**NOVA PAL**  
Natural and clear vision at the  
periphery with reduced distortions.



**MAXIVIEW**

#wider and clearer fields of vision



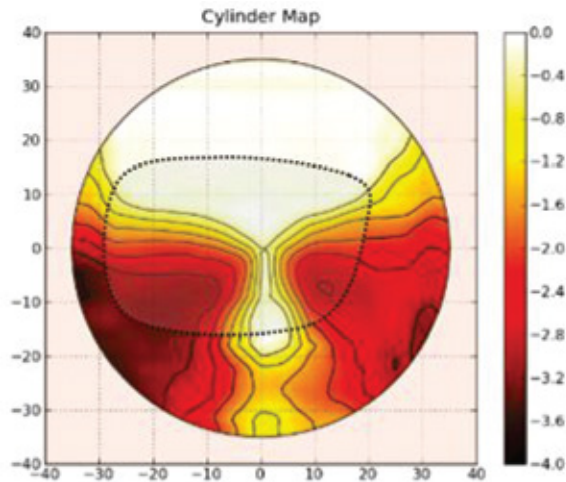
Maxiview technology is able to modify the distribution of aberrations and reduce them to the minimum within the useful area of the lens.





MAXIVIEW

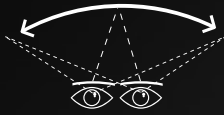
#wider and clearer fields of vision



Plano, N. Add. +3.00 Ds

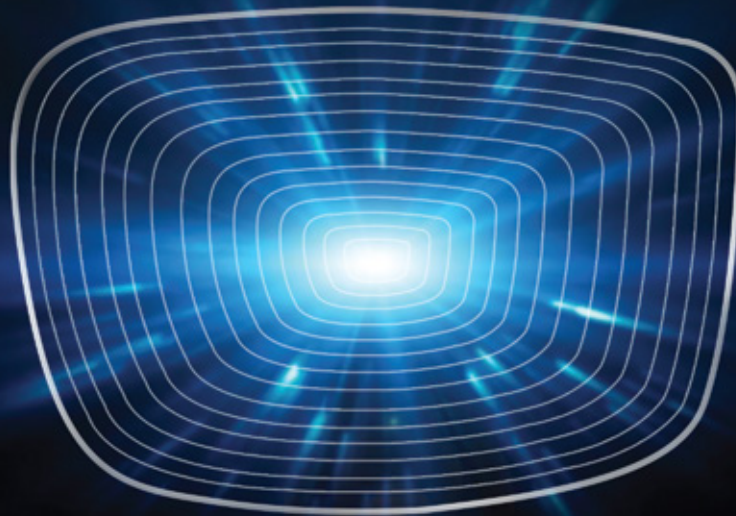
The lenses with one of the least aberrations in the market.

It considers the real shape of the frame and uses a unique algorithm to minimise the aberrations within the useful area of the lens.



**BINOCULAR  
BALANCING  
SYSTEM**

#better peripheral vision



Binocular Balancing  
System balances the level  
of image deformations on  
both sides of the corridor.

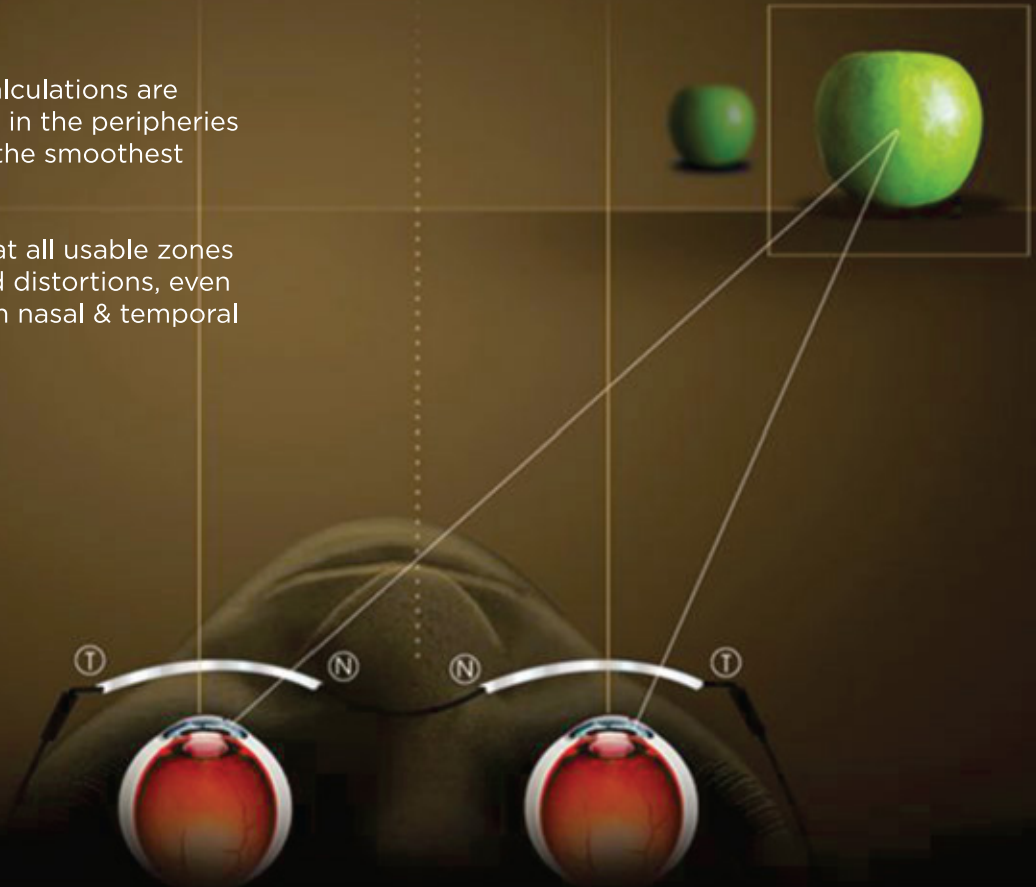


## **BINOCULAR BALANCING SYSTEM**

#eliminates distortions

Binocular Balancing System calculations are made to connect all the points in the peripheries of the pair of lenses to create the smoothest power transition possible.

NOVA PAL offers clear vision at all usable zones of the lens, reducing unwanted distortions, even when the image is viewed from nasal & temporal sides at the same time.



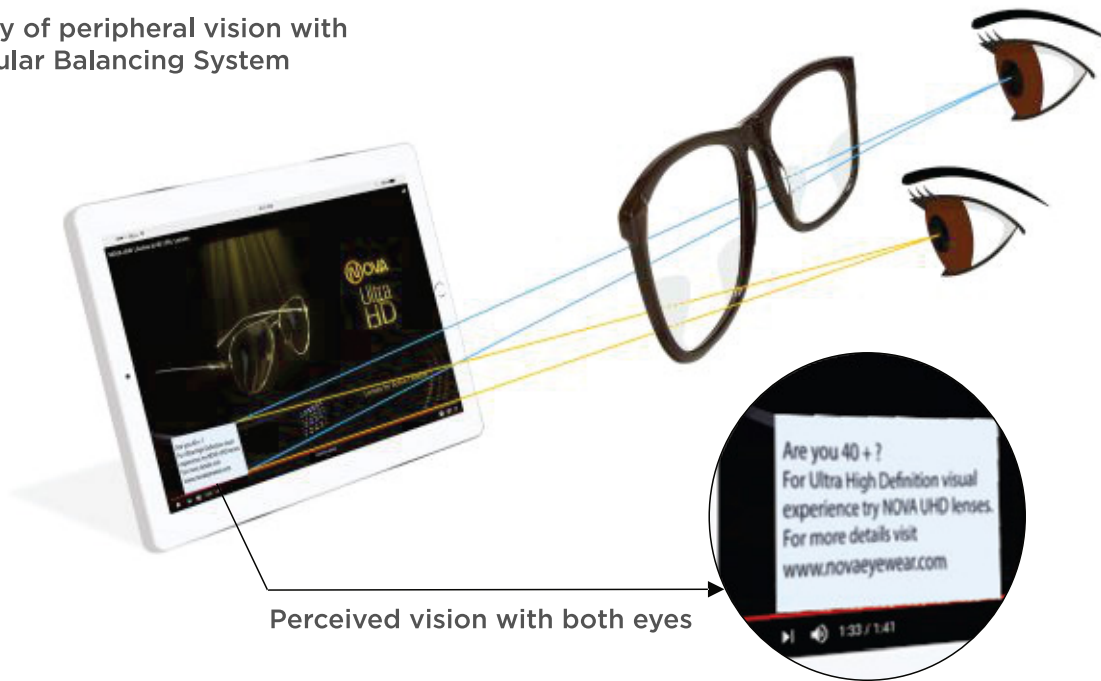


## **BINOCULAR BALANCING SYSTEM**

#eliminates distortions

Binocular Balancing System balances the levels of image deformations on both sides of the corridor, making the amount of blur perceived by each eye similar and reducing it to the minimum, thus improving binocular vision and providing wider visual fields, especially in intermediate and near vision zones.

### **Quality of peripheral vision with Binocular Balancing System**

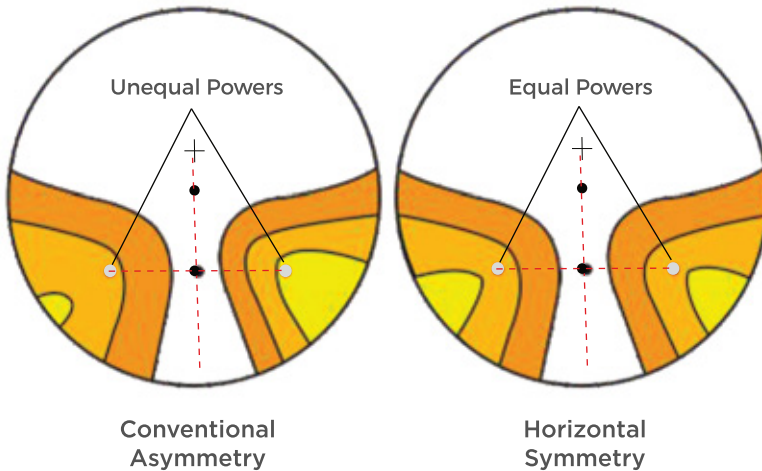


Perceived vision with both eyes



## BINOCULAR BALANCING SYSTEM

#eliminates distortions



It is the power-based balancing method, where the differences in Near Addition powers at the position, where the line of sight passes, are reduced, and the vision is corrected with less blur and better balance.

The image received by each eye is nearly same in terms of clarity and distortions produced within the corridor and peripheral zones.



**BINOCULAR  
BALANCING  
SYSTEM**

#better peripheral vision



**NOVA UHD** allows you to see clearly and comfortably at all distances.





## **BINOCULAR BALANCING SYSTEM**

#comfortable peripheral vision



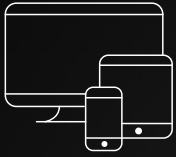
**CONVENTIONAL PAL**

Unwanted distortions when the image is viewed from nasal and temporal sides at the same time.



**NOVA PAL**

Nova PAL offers clear vision in all zones of the lenses, eliminating unwanted distortions, even when the image is viewed from nasal and temporal sides at the same time.

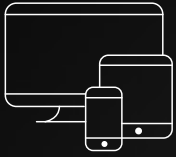


**DIGITAL  
PROFILE**

#distance-friendly to  
digital devices

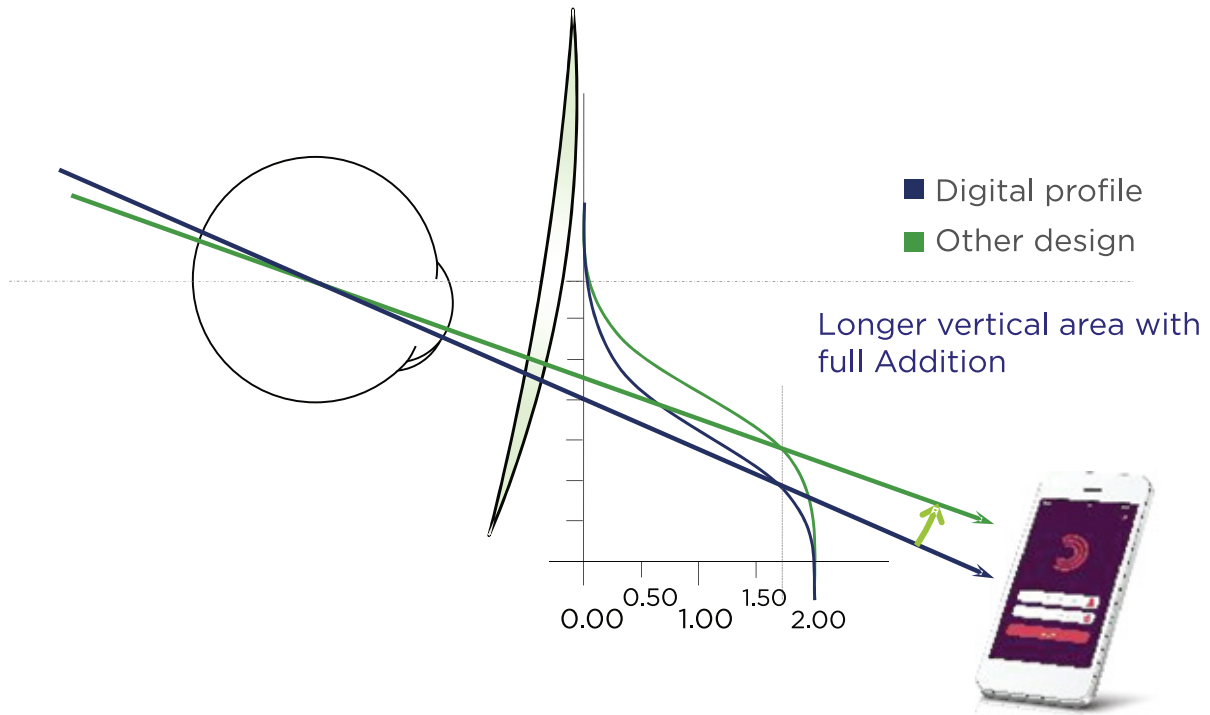


■ Digital Profile avoids awkward movements and ensures a comfortable posture for near digital device activity.

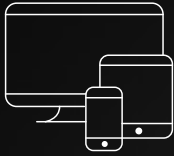


## DIGITAL PROFILE

#distance-friendly to  
digital devices



The design is based on the consideration of today's visual needs for prolonged usage of digital devices and on the user ergonomics.



## DIGITAL PROFILE

#distance-friendly to digital devices

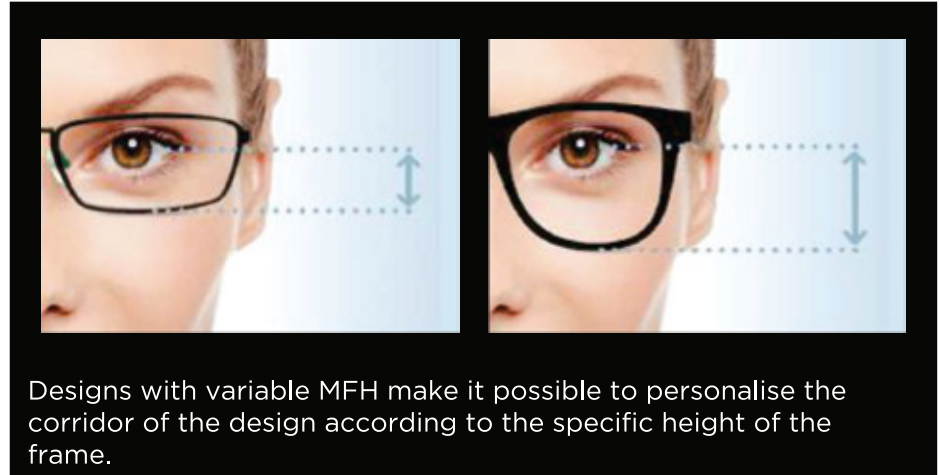
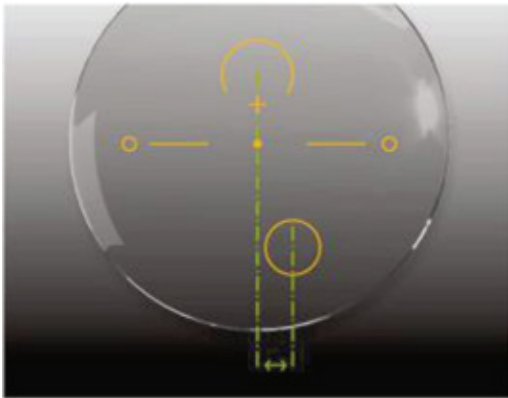


With the use of digital profile, longer vertical area with 100% of the Addition is offered to the wearers. This helps in better adaptation and comfortable vision up-close.



## VARIABLE INSET & MFH

#no frame limitations



Designs with variable MFH make it possible to personalise the corridor of the design according to the specific height of the frame.

The Inset is the horizontal off-centering that appears in the near zone of a PAL. Variable inset allows optimal focus to ensure maximal comfort & visual clarity.



OPTIREAL

#customised for each Rx

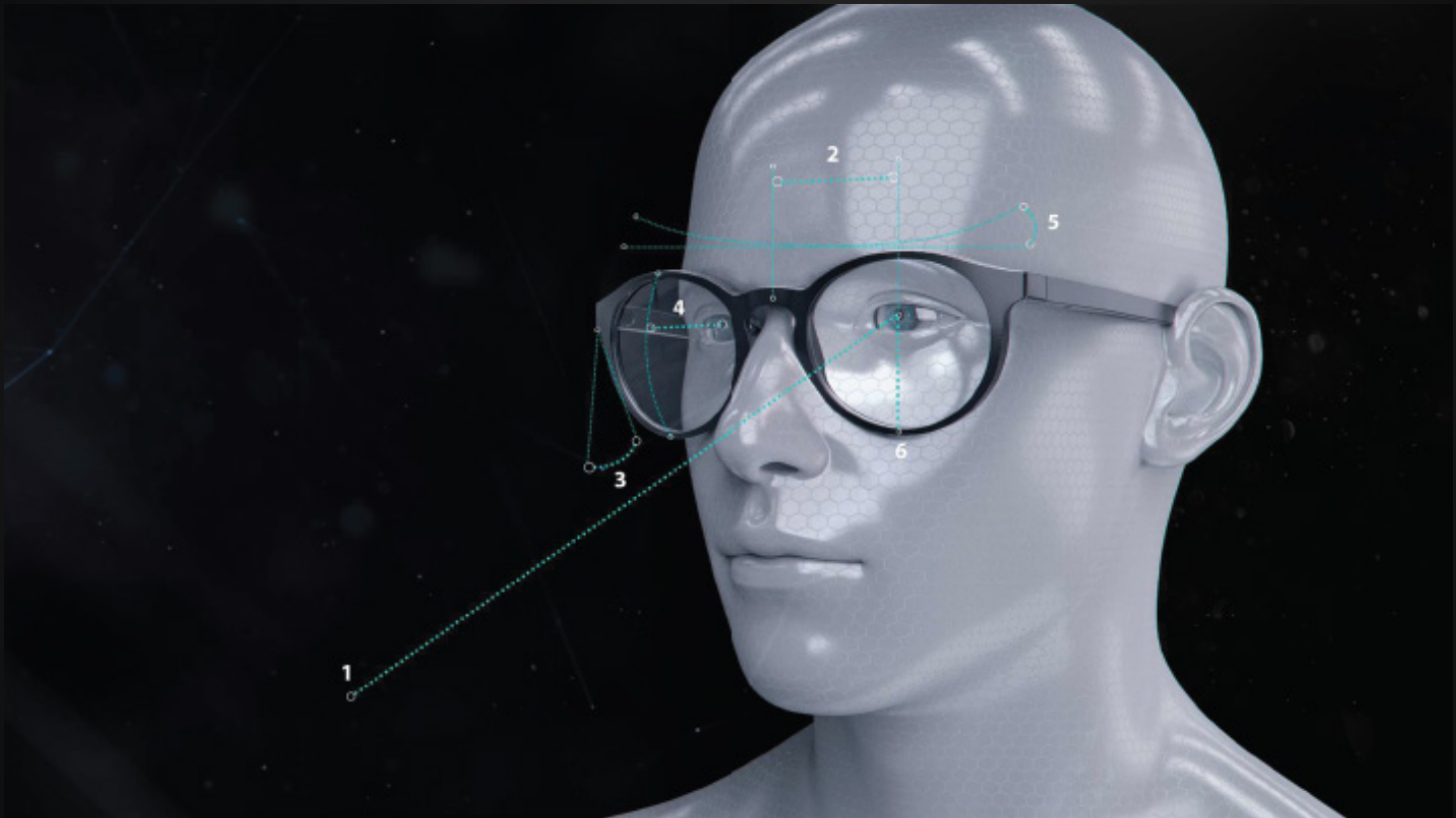


Optireal corrects the optical aberrations and compensates the difference in power between the clinical and the resulting Rx when the user is wearing the lens to provide best visual clarity.

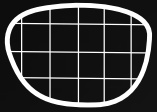




#customised for each Rx

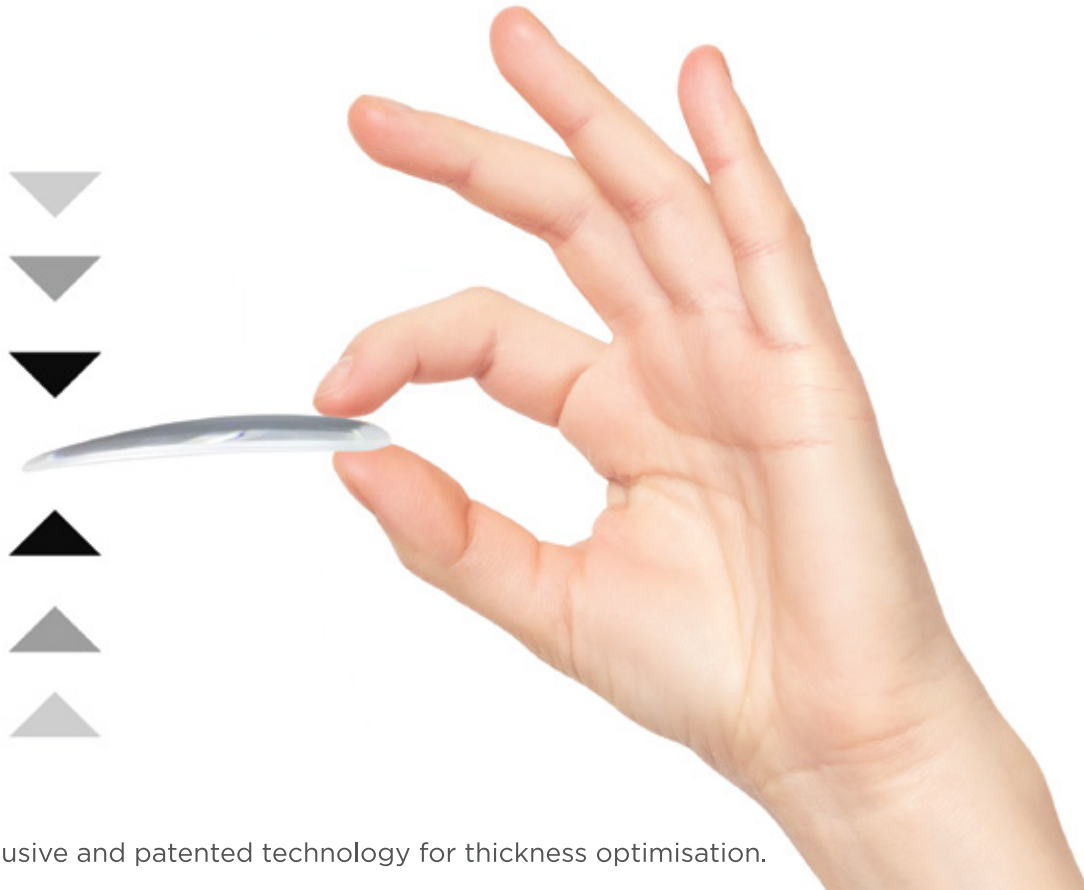


Taking the user's position of wearing parameters into account when calculating the lens power, we obtain a personalised correction of the aberrations for a lens that is fully adapted to the specific wearer.

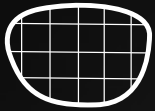


**SLIMTECH**

#better aesthetics with  
superior vision clarity



Slimtech is an exclusive and patented technology for thickness optimisation.



SLIMTECH

#better aesthetics with superior vision clarity

## Standard FreeForm

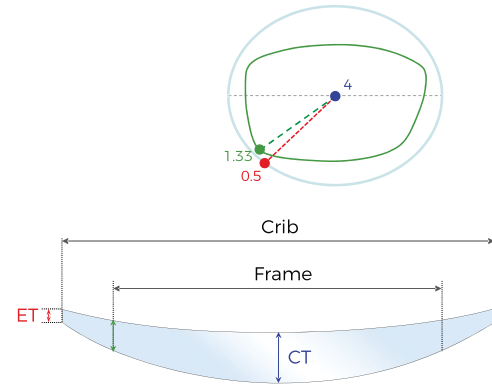
CRIB is the pre-calibrated lens (round or oval), better adjusted to the real frame shape.

### THE EDGE THICKNESS LIMITS THE CENTRE THICKNESS.

Example:-

Rx: +3.00 Ds/+2.50 De Axis 175° , N. Add. +2.00 Ds

When we apply a pre-calibration in a FreeForm lens, we get an edge thickness of 0.5 mm in the pre-calibrated lens (crib), not in the lens cut as per the real frame shape.



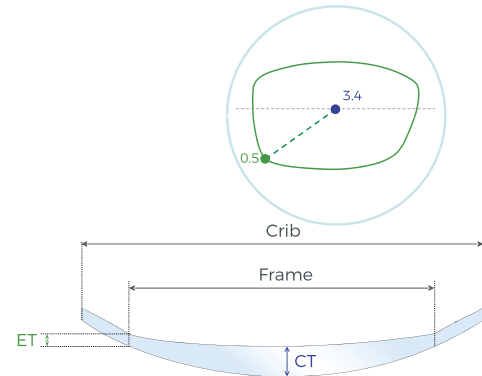
## Slimtech Technology

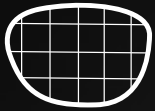
By using the frame data in the optimisation algorithm, Slimtech is able to overcome the limitation in FreeForm manufacturing by modifying the surface outside the useful zone and achieve the maximum thickness reduction possible.

Example:-

Rx: +3.00 Ds/+2.50 De Axis 175° , N. Add. +2.00 Ds

With Slimtech technology we get an edge thickness of 0.5 mm in the lens cut as per the real frame shape.

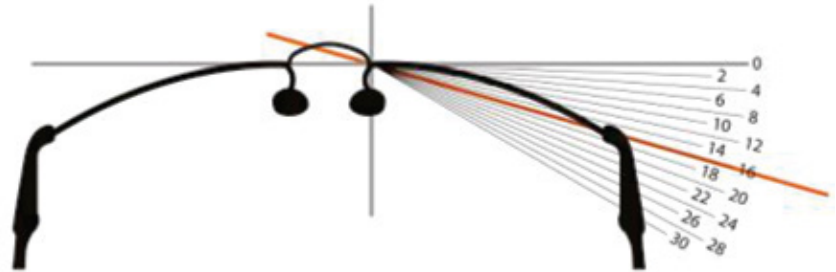




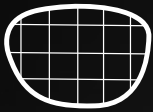
**SLIMTECH**

#better aesthetics with  
superior vision clarity

**NOVA UHD** with Slimtech technology has dynamically contoured vision zones, thanks to the patented algorithm of the design. This makes the lenses look aesthetically better while maintaining the best visual performance.



- + Reduced thickness of the lenses makes them look even better in any type of frame.
- + This process makes it possible to reduce the visible edge thickness of spectacle lenses to a technically feasible minimum.
- + Lens design creates the perfect balance between visual performance (sharper vision) and aesthetics (thinner lenses).
- + The Slimtech thinning algorithm assures the thinnest lens possible for a fashionable appearance.
- + Customised design with lens power compensation as per the individual's position of spectacle wear. This design takes into consideration the customer's lens prescription and frame parameters to optimise the best visual solution.

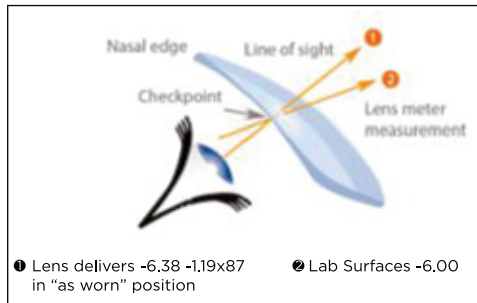


**SLIMTECH**

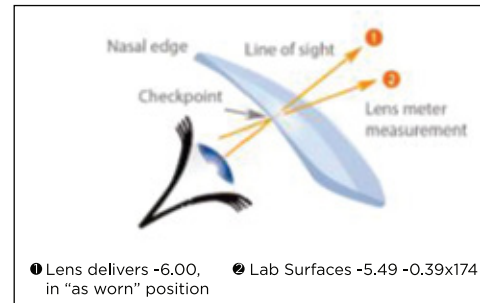
#better aesthetics with superior vision clarity

With Slimtech technology, the maximum optimisation of centre and edge thickness is ensured.

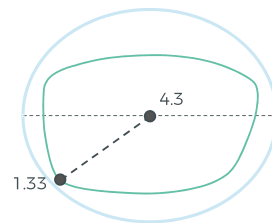
**Conventional**



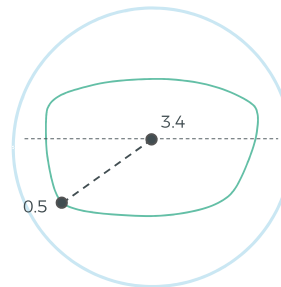
**Slimtech**



**Cutting of a FreeForm lens**



**Cutting of a Slimtech lens**



Rx:  $+3.00$  Ds/ $+2.50$  Dc Axis  $175^\circ$ , N. Add.  $+2.00$  Ds



## LIFESTYLE PERSONALISATION

#customised as per  
your lifestyle

### INDOOR ACTIVITIES



Desktop



Watching TV



Dining



Reading Book



Cooking

### OUTDOOR ACTIVITIES



Driving



Jogging



Golf



Mountaineering



Travel

### LEISURE ACTIVITIES



Photography



Bowling



Biking



Shopping



Watching movies







**LIFESTYLE  
PERSONALISATION**

#ultra high definition  
natural vision

**The premium FreeForm progressive lens offering  
ultra high definition natural vision.**

Nova UHD incorporates three different designs for varying requirements based on power details and lifestyle. It automatically selects the design best suited for the wearer.

Nova UHD is customised as per the following parameters:

**LIFESTYLE**



**LIFESTYLE  
PARAMETERS**

**EYE**



**EYE  
PARAMETERS**

**FRAME**



**FRAME  
PARAMETERS**

# | **NOVA UHD** - For those seeking the finer things in life

Nova UHD lens provides an excellent quality in vision. For those who know the class, for the people who have an eye for the finer things in life.



## USER TESTS PROVE THE OUTSTANDING FEATURES OF **NOVA UHD**

To analyse the visual behavior when using **NOVA UHD**, a controlled study was conducted comparing it with other products of the same category from the market.

**100%**

### ▶ **NEAR VISION**

Is sharper in all the cases.

**80%**

### ▶ **PERIPHERAL VISION**

80% evidence of improvement in peripheral vision.

**9/10**

### ▶ **INTERMEDIATE VISION**

9 out of 10 users enjoyed a wider and more comfortable vision in the intermediate zone.

# | NOVA UHD - a world of advantages for the ECP.



CUSTOM  
FIT



ULTRA  
LIGHTWEIGHT



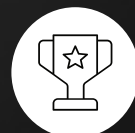
IMMEDIATE  
ADAPTATION



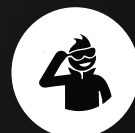
OPTIMISED  
VISION ZONE



EXCELLENCE  
IN COMFORT



QUALITY



AESTHETICS

- Differentiation in progressives
- Immediate adaption of lens
- Design covering current demands of wearers
- Providing the optimum quality in vision
- Unique customisation

# NOVA UHD

## Conventional lens



Wearer needs to adapt to different visual fields (distance, mid & near)

## Nova Delite



- # Wider visual fields
- # Smooth vision at all zones
- # Easy Adaptation
- # Enhanced peripheral vision

### Powered by



DIGI-CONTOUR TECHNOLOGY



BACK SURFACE ASPHERIC DESIGN

## Nova Trendfree 2.0



- # Wider visual fields
- # Smooth transition between visual zones
- # Smooth Adaptation
- # Enhanced peripheral vision

### Powered by



DIGI-CONTOUR TECHNOLOGY



ABERRATION FILTER SYSTEM



MULTI ASPHERIC TECHNOLOGY

## Nova Plus 3.0



- # Wider visual fields
- # Smooth transition between visual zones
- # Smooth Adaptation
- # Enhanced Peripheral Vision
- # Optimised Dynamic Vision

### Powered by



DIGI-CONTOUR TECHNOLOGY



ABERRATION FILTER SYSTEM



MULTI ASPHERIC TECHNOLOGY



BINOCULAR BALANCING SYSTEM

## Nova HD



- # Wider visual fields
- # Smooth transition between vision zones
- # Smooth Adaptation
- # Enhanced Peripheral Vision
- # Optimised Dynamic Vision
- # High definition natural vision

### Powered by



DIGI-CONTOUR  
TECHNOLOGY



ABERRATION  
FILTER SYSTEM



MULTI ASPHERIC  
TECHNOLOGY



BINOCULAR  
BALANCING SYSTEM



LIFESTYLE  
PERSONALISATION

## Nova UHD



- # Wider fields of clear peripheral vision
- # Optimum fields of far, intermediate and near vision
- # Reduction of higher order aberrations
- # Minimisation of swim effect
- # Higher levels of clarity and contrast
- # High definition natural vision
- # Instant adaptation
- # Maximum visual comfort
- # Appealing aesthetics
- # Full individualisation and customisation

### Powered by



DIGI-CONTOUR  
TECHNOLOGY



ABERRATION  
FILTER SYSTEM 2.0



MULTI ASPHERIC  
TECHNOLOGY



BINOCULAR  
BALANCING SYSTEM



VARIABLE  
INSET & MFH



DIGITAL  
PROFILE



OPTIREAL



MAXIVIEW



LIFESTYLE  
PERSONALISATION



SLIMTECH

# notes

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